

Rubio WoodCream

Protecting the natural beauty of wood

Rubio WoodCream is a breathable hydrophobic wax-based cream that colours and protects wood and makes it water-repellent. The hydrophobic Rubio WoodCream technology in combination with its unique cream structure offers both on product as on application level important benefits. This moisture-regulating cream provides a water-repellent and self-cleaning wood protection. The long contact technology ensures a perfect absorption of the cream into the wood's pores, without covering them, thus ensuring the wood's natural moisture balance and structure.

Rubio WoodCream gives wood surfaces a semi-transparent, aged, or covering look and is available in 3 colour collections: The Grey Collection, the Traditional Collection, and the Scandinavian Collection. A transparent version (#0) is also available in order to create a non-coloured effect. While this version has no UV-filter it allows the wood to age naturally, but it still protects the wood and makes it water-repellent. This transparent version will also protect already aged wood.

Depending on the chosen colour, wood type and orientation of the vertical wood, the colour will last between 5 to 10 years. After about 5 years, the pearl effect (water-beading) will gradually diminish.

If you want to decrease the colour intensity of the existing Rubio WoodCream colours, you can dilute them with **Rubio WoodCream Softener**.



ATTENTION

Adding Rubio WoodCream Softener reduces the UV resistance of the product. This can cause premature discolouration. This discolouration effect depends on the amount of Rubio WoodCream Softener added.

PRODUCT INFORMATION

› Unique characteristics

- Wax-based cream
- Hydrophobic cream
- Low environmental impact
- VOC free
- Non film-forming, does not flake off
- Water-repellent with pearl effect
 - The pearl effect makes the surface self-cleaning
 - The water-repellent and self-cleaning effect reduce the risk of micro-organism growth (algae, molds, fungi) and frost damage
- Breathable and moisture-regulating
 - The wood pores remain open; this allows the wood to breath and guarantees an optimal moisture-regulation
- Cream structure
- Penetrates deep into the subsoil
- Low usage: 50 to 80 g/m² per layer, depending on the absorption of the substrate
- Easy to apply on all vertical wooden surfaces
- Easier to apply on other paint systems and surfaces than other paints and wood treatment products (no dripping, no masking tape, easy to apply overhead)
- Can be applied in 1 or 2 layers depending on the look you want

REMARK

The wood pores remain open; this allows the wood to breath and guarantees an optimal moisture-regulation. Rubio WoodCream is water-repellent and self-cleaning, reducing the risk of micro-organism growth (algae, molds, fungi).

› Technical characteristics

- Chemical basis: wax-based
- Physical state: cream
- Density: 950-1050 g/L (transparent – colours)
- pH: 8.0 - 9.0
- Gloss level: semi matt
- Drying time: depending on the climatic conditions: ± 12 hours
- Touch dry after 30 minutes
- A second layer can be applied after 3 hours
- The pearl effect already starts after 3 hours
- VOC-free

TECHNICAL INFORMATION

Rubio WoodCream is a breathable hydrophobic wax-based cream that colours and protects the wood and makes it water-repellent. The wax-based cream leaves no film behind, so that the porosity remains open and therefore the vapour permeability is retained. Wood fibres have a capillary effect that allows water to be easily absorbed. By applying a wax-hydrophobic agent to the pore walls, this capillary effect is converted into a water-repellent effect, but without reducing the opening of the pores necessary for vapour diffusion. Air and water vapour are let through just as before.

The cream structure of the wax-based cream creates a long contact time of the product with the wood. This gives the capillary effect of the wood enough time to absorb the active water-repellent ingredients. This creates a very deep penetration into the wood, which benefits the durability of the water-repellent effect. This allows the wood to be coloured and made water-repellent in one layer. If you want to achieve a visually more covering colour effect, this can easily be done by applying a second layer without changing the properties of the cream. However covering the system is applied, this technology will ensure the natural look and feel of the wood.

› Storage

The product can be stored up to 24 months. Store in dry conditions and in the original unopened packaging. Keep away from frost.

› Packaging

- Can 100 ml, 1 L, 2,5 L, 5 L and 20 L

› Consumption

Depending on the type of substrate: 12-20 m²/L

These usages are merely indicative. Results depend on wood type and method of preparation. It is always recommended to make a sample in order to calculate the exact usage.

› Colours

Colours shown are on pine.

The colours shown are for reference only and are not binding.



APPLICATION INFORMATION

› On site application

Range of use:

- Wood outdoors - vertical wood application
- Wood moisture level: max. 18%
- Wood elements without ground contact according to EN 335-1, appl. class 2 and 3
- Building elements without dimensional stability: e.g. fences, framework, carports, wood sidings
- Building elements with limited dimensional stability: e.g. shutters, profiled boards, garden sheds

› Preparation

- Application temperature: 10°C – 30°C
- Ensure that the vertical wood is dry and clean
- In case of extremely soiled and oily wood or mildew stains, the wood must be cleaned with a mixture of 10% Rubio Monocoat Exterior Wood Cleaner and water. The wood must be thoroughly rinsed with water after the use of Rubio Monocoat Exterior Wood Cleaner before application.

Consult the accompanying technical data sheet before use.

› Instructions for use

Manual application

A. On new wood

STEP 1. Prepare the surface in order to achieve the desired result (planed, sanded wire brushed...).

STEP 2. Remove sanding dust from the surface and wipe dry.

STEP 3. Stir Rubio WoodCream well before applying it (undiluted).

STEP 4. Apply carefully and evenly, to the vertical surface with a block brush suitable for water-beaded products, in the direction of the wood. Work in zones of 3 to 4 boards in the direction of the wood fibre. It's best to work wet in wet. Spread out the product in one go with the application brush.

STEP 5. In case a more covering result is required you can apply a second layer after at least 3 hours. Since the first layer is already water-repellent, the second layer will not adhere to the first layer as easily. We recommend spreading the product with the block brush on the first layer in one smooth movement and go over it several times.

a. Creating an aged/transparent effect on new wood

STEP 1. Prepare the surface in order to achieve the desired result (planed, sanded wire brushed...).

STEP 2. Remove sanding dust from the surface and wipe dry.

STEP 3. Stir Rubio WoodCream well and **dilute it with Rubio WoodCream Softener** in order to create a more transparent effect (proportion: max 1:1).

STEP 4. Apply carefully and evenly to the vertical surface with a block brush suitable for water-beaded products, in the direction of the wood. Work in zones of 3 to 4 boards in the direction of the wood fibre. It's best to work wet in wet. Spread out the product in one go with the application brush.

REMARK

- In order to create an **aged effect** on new wood a colour from the **Grey Collection** must be diluted with Rubio WoodCream Softener.
- In order to create a more **transparent effect** (when desired) a Rubio WoodCream colour must be **diluted** with **Rubio WoodCream Softener**. Add Rubio WoodCream Softener until the desired effect is achieved. The maximum proportion is 1: 1.
- In order to create a **non-coloured effect** you can use the colour **Transparent #0** (undiluted) from the **Grey Collection**. While this version has no UV-filter it allows the wood to age naturally, but it still protects the wood and makes it water-repellent.

B. In case of renovation/refreshing Rubio WoodCream

STEP 1. Clean the surface by using water at low pressure and a soft brush; there is no need for sanding.

STEP 2. Stir Rubio WoodCream well and dilute it with Rubio WoodCream Softener in a ratio from 9 parts Rubio WoodCream and 1 part Rubio WoodCream Softener. You can adjust this ratio to max. 1 part Rubio WoodCream and 1 part Rubio WoodCream Softener to achieve the desired result.

STEP 3. Apply it carefully and evenly, to the vertical surface with a block brush suitable for water-beaded products, in the direction of the wood. Work in zones of 3 to 4 boards in the direction of the wood fibre. It's best to work wet in wet. Spread out the product in one go with the application brush.

C. In case of renovation on older non-Rubio products

- STEP 1.** In case of extremely soiled and oily wood or mildew stains, the wood must be cleaned with a mixture of 10% Rubio Monocoat Exterior Wood Cleaner and water. The wood must be thoroughly rinsed with water after the use of Rubio Monocoat Exterior Wood Cleaner before application. Consult the accompanying technical data sheet before use.
- STEP 2.** Remove all loose coatings or wood fibres (sanding, steel, or brass brush).
- STEP 3.** Remove sanding dust from the surface and wipe dry.
- STEP 4.** Stir Rubio WoodCream well before applying it (undiluted), carefully and evenly, to the vertical surface with a block brush suitable for water-beaded products, in the direction of the wood. Work in zones of 3 to 4 boards in a horizontal direction. It's best to work wet in wet. Spread out the product in one go with the application brush.
- STEP 5.** Apply a second layer in order to prevent gloss differences between raw wood and patches where the old coating was still present.

Industrial application

If you want to apply this product in an industrial manner, we advise you to get in contact with our technical care team.

› **Maintenance information**

In general we recommend a yearly visual check-up just after winter season.

Please check for the presence of the following three points:

- a. Dirt & green deposits; clean with low pressure water and soft brush
- b. Fading out of colours
- c. Diminishing pearl effect

If necessary (concerning point b./c.), apply a maintenance coat according to the instructions. The frequency of maintenance depends on the weather conditions:

- In normal weather conditions: every 5 years
- In extreme weather conditions: every 3 years
- In ideal circumstances, this can take significantly longer: up to 10 years

Normal climates: when the colour fades, apply a maintenance coat of Rubio WoodCream with Rubio WoodCream Softener in a ratio from 9 parts Rubio WoodCream and 1 part Rubio WoodCream Softener to max. 1 part Rubio WoodCream and 1 part Rubio WoodCream Softener to achieve the desired result. Consult the technical data sheet for more information.

Frequency according to exposure, geographical situation, solar orientation of the treated wood, wood type, and desired shade. Waterfront, seaside, pilling, wetland, and marshland ... sometimes requiring a more frequent maintenance.

› **Maintenance instructions**

- STEP 1.** The wood must be cleaned with a mixture of 10% Rubio Monocoat Exterior Wood Cleaner and water. After the use of Rubio Monocoat Exterior Wood Cleaner, clean the surface by using water at low pressure and a soft brush; there is no need for sanding. Consult the accompanying technical data sheet before use.
- STEP 2.** Stir Rubio WoodCream well and dilute it with Rubio WoodCream Softener in a ratio from 9 parts Rubio WoodCream and 1 part Rubio WoodCream Softener to max. 1 part Rubio WoodCream and 1 part Rubio WoodCream Softener in order to achieve the desired result.
- STEP 3.** Apply it carefully and evenly, to the vertical surface with a block brush suitable for water-beaded products, in the direction of the wood. Work in zones of 3 to 4 boards in the direction of the wood fibre. It's best to work wet in wet. Spread out the product in one go with the application brush.

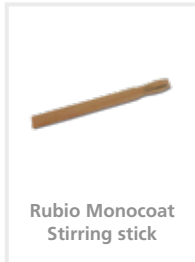
› **Tips & Tricks**

- Avoid direct sunlight on the surface.
- In case of high temperatures (> 30°C) or when there is no shadow, we recommend diluting Rubio WoodCream with Rubio WoodCream Softener in order to make the product easier to apply and to allow it to dry less quickly.
- On rough and very absorbent wood surfaces, we recommend diluting Rubio WoodCream with Rubio WoodCream Softener so you can easily apply Rubio WoodCream on the surface. For a more covering effect you can apply a second layer.

› Tools & accessories



Rubio Monocoat
Brush



Rubio Monocoat
Stirring stick

Clean the tools with water after application.

› Related products



Rubio WoodCream
Softener



Rubio Monocoat
Exterior Wood
Cleaner

Check the packaging and the safety data sheet for more details.

For our complete assortment of products for the protection and colouring of interior and exterior wood, please visit www.rubiomonocoat.com

YOUR DISTRIBUTOR:

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Rubio[®] MONOCOAT

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